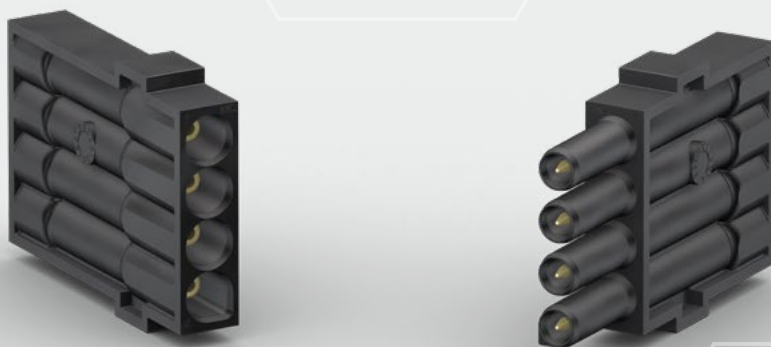


CombiTac

High voltage module 2.5 kV

CombiTacline | Industrial Connectors



Ø 1.5 MM HIGH VOLTAGE UNIT UP TO 2.5 KV

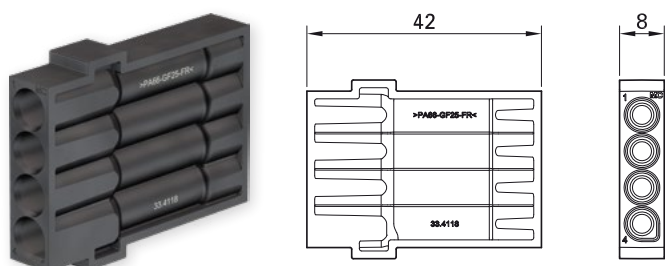
Contact carrier CT-E1,5-4/HV...

4-pole high voltage module up to 2.5 kV for general industry, railway, and testing applications.

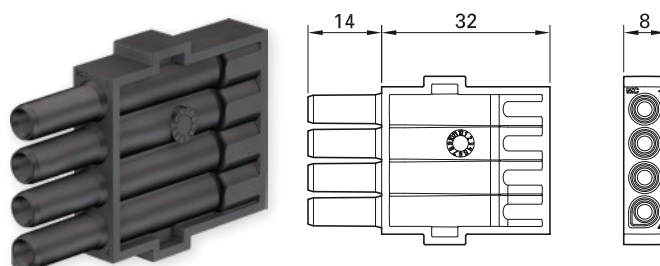
Features:

- Space saving 4-pole solution
- Railway compliant material
- Resistance to shock and vibrations
- Tool-free insertion of contacts in carrier

CT-E1,5-4/HV-B



CT-E1,5-4/HV-S



Order No.	Type	Designation
33.4118	CT-E1,5-4/HV-B	4-pole socket carrier
33.4518	CT-E1,5-4/HV-S	4-pole pin carrier



Technical data		
Number of poles	4	
For contact diameter	1.5 mm	
Pollution degree / overvoltage category	2/CATII	3/CATIII
Rated voltage IEC	2000 V AC 2500 V DC	1000 V AC/DC
Rated voltage UL	600 V AC/DC	
Degree of protection (socket front)	IP2X	
Limiting temperature (IEC 61984), upper	+90 °C	
lower	-40 °C	
Contact carrier material	PA	
Fire and smoke compliance	EN 45545-2 (HL2 R22)	



Assembly instructions MA213-05

www.staubli.com/electrical

Ø 1.5 mm/HV

For contact carrier CT-E1,5-4/HV-... Sockets fitted with MULTILAM.

Type of termination:

Crimp termination (C) for Cu high voltage conductors 0.5 – 1.5 mm²

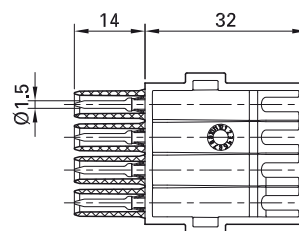
Note:

- For rated voltage above 1000 V AC, 1500 V DC the connector must not be connected or disconnected when live or under load. Apply voltage only in mated condition.

- High voltage module 2.5 kV used up to max. 30 kHz. Only to be used with plastic rails (CT-BS Order No.: 33.5606-...).

CT-BP1,5/0,5-1,5-HV

CT-SP1,5/0,5-1,5-HV



Order No.	Type	Socket	Pin	Surface	Conductor cross section		Rated current ¹⁾ A	Type of termination
					mm ²	AWG		
33.0169	CT-BP1,5/0,5-1,5-HV	x	x		0.5	20	6	
33.0569	CT-SP1,5/0,5-1,5-HV				0.75	18	9	
					1	-	11	
					1.5	16	14	

Technical data	
Nominal-Ø socket/pin	1.5 mm
Max. sliding force per contact	4 N
Contact resistance	< 1.3 mΩ
Mating cycles	100,000
Vibrations and shock	IEC 61373 category 1B



Assembly instructions MA213-05

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¹⁾ Rated current for fully occupied carriers. Derating diagrams for bundled wires, see "CombiTac main catalog".

Required tools

For extraction tool CT-AWZ-2,5HV, Order No. 33.3006 please refer to MA213-05.



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